



LOW SIDE WALL HOOD

$Q = 200 \text{ cfm/lineal ft of cooking surface (200L)}$

Minimum duct velocity = 1000 - 4000 fpm, to suit conditions

$h_e = (\text{filter resistance} + 0.1'') + .050 VP_d (\text{straight take off})$

$h_e = (\text{filter resistance} + 0.1'') + .025 VP_d (\text{tapered take off})$

#### NOTES FOR KITCHEN HOODS

- Filters:**
1. Select practical filter size.
  2. Determine number of filters required from manufacturer's data.  
(Usually: 2 cfm maximum exhaust for each square inch of filter area.)
  3. Install at 45°-60° to horizontal. Never horizontal.
  4. Filter mounting height (Reference 10.30.1)
    - a. No exposed cooking flame --- 18" minimum to lowest edge of filter.
    - b. Charcoal and similar fires --- 4' minimum to lowest edge of filter.
  5. Shield filters from direct radiant heat.
  6. Provide removable grease drip pan.
  7. Clean pan and filters regularly.

- Fan:**
1. Use upblast discharge fan. Downblast is not recommended.
  2. Select fan for design Q and SP resistance of filters and duct.
  3. Adjust fan specification for expected exhaust air temperature.



TITLE

KITCHEN RANGE HOOD

FIGURE

VS-30-11

DATE

10-90